

ABSTRACT

[042] The present invention concerns methods of luminescent identification and calibration. In certain embodiments, items are simultaneously attached to a luminescent label, one or more luminescent calibration spots and one or more sample spots containing binding moieties. In preferred embodiments, the binding moieties are antibodies. In other preferred embodiments, target molecules that bind to the binding moieties are detected using the same luminescent tag as is found in the luminescent label and the calibration spots. In more preferred embodiments, the luminescent tag is Alexa Fluor 647. The label is of use to identify each array and the binding moieties found in each sample spot. The calibration spots are of use to more accurately quantify the amount of target compound attached to each sample spot. The methods provide for a more rapid preparation of labeled arrays of binding moieties, while minimizing the possibility of array contamination.

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